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TITLE: Method and catalysts for the hydroformylation of
olefins in an aqueous microemulsion into aldehydes
INVENTOR(S): Schomacker, Reinhard; Haumann, Marco; Koch, Herbert
PATENT ASSIGNEE(S): Rwe-Dea A.-G. fur Mineraloel und Chemie, Germany
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DE 19822968	A1	19991202	DE 1998-19822968	19980525
AU 9951492	A1	19991213	AU 1999-51492	19990521
EP 1084094	A1	20010321	EP 1999-936298	19990521
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AB Olefins (e.g., 1-dodecene) are efficiently hydroformylated by reacting them with hydrogen and carbon monoxide in a liq., aq.-org. reaction medium in the presence of a water-sol. hydroformylation catalyst [e.g., trisodium tris(3-sulfophenyl)phosphine and Ph(CO)2(acac)]. During the hydroformylation, the aq.-org. medium is present in the form of a microemulsion which is formed from an oil phase, contg. the olefin or the olefin and the hydroformylation products (e.g., n-tridecanal and 2-methyldodecanal), and from the aq. phase, contg. the water-sol. complex catalyst, and from a nonionic surfactant (e.g., Marlipal 013/70).